## SEQUENCE LISTING

<110> Blumberg, Richard S. Lencer, Wayne I. Simister, Neil E. Bitonti, Alan J.	
<120> CENTRAL AIRWAY ADMINISTRATION FOR SYSTEMIC DELIVERY OF THERAPEUTICS	
<130> S01383.70011.US	
<150> US 10/435,608 <151> 2003-05-09	
<150> PCT/US02/21355 <151> 2002-07-03	
<150> US 60/364,482 <151> 2002-03-15	
<160> 40	
<170> PatentIn version 3.1	
<210> 1 <211> 681 <212> DNA <213> Homo sapiens	
<400> 1	
gacaaaactc acacatgtcc accttgtcca gctccggaac tcctgggggg accgtcagtc 60	
ttcctcttcc ccccaaaacc caaggacacc ctcatgatct cccggacccc tgaggtcaca 120	
tgcgtggtgg tggacgtgag ccacgaagac cctgaggtca agttcaactg gtacgtggac 180	
ggcgtggagg tgcataatgc caagacaaag ccgcgggagg agcagtacaa cagcacgtac 240	
cgtgtggtca gcgtcctcac cgtcctgcac caggactggc tgaatggcaa ggagtacaag 300	
tgcaaggtct ccaacaaagc cctcccagcc cccatcgaga aaaccatctc caaagccaaa 360	
gggcagcccc gagaaccaca ggtgtacacc ctgcccccat cccgggatga gctgaccaag 420	
aaccaggtca geetgaeetg eetggtcaaa ggettetate eeagegaeat egeegtggag 480	
tgggagagca atgggcagcc ggagaacaac tacaagacca cgcctcccgt gctggactcc 540	
gacggctcct tcttcctcta cagcaagctc accgtggaca agagcaggtg gcagcagggg 600	
aacgtcttct catgctccgt gatgcatgag gctctgcaca accactacac gcagaagagc 660	
ctctccctgt ctccgggtaa a 681	
<210> 2 <211> 227 <212> PRT <213> Homo sapiens	

<400> 2

Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly
1 5 10 15

Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met 20 25 30

Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His 35 40 45

Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val 50 55 60

His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr 65 70 75 80

Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly 85 90 95

Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile 100 105 110

Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val 115 120 125

Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser 130 135 140

Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu 145 150 155 160

Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro 165 170 175

Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val 180 185 190

Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met 195 200 205

His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser 210 225 220

<210>	3	
<211>	579	
<212>	DNA	
		_

<213> Homo sapiens

<400> atgggggtgc acgaatgtcc tgcctggctg tggcttctcc tgtccctgct gtcgctccct 60 ctgggcctcc cagtcctggg cgccccacca cgcctcatct gtgacagccg agtcctgcag 120 aggtacetet tggaggeeaa ggaggeegag aatateaega egggetgtge tgaacaetge 180 agettgaatg agaatateac tgtcccagac accaaagtta atttctatgc ctqqaaqaqq 240 atggaggtcg ggcagcaggc cgtagaagtc tggcagggcc tggccctgct gtcggaagct 300 gtcctgcggg gccaggccct gttggtcaac tcttcccagc cgtgggagcc cctgcagctg 360 catgtggata aagccgtcag tggccttcgc agcctcacca ctctgcttcg ggctctggga 420 gcccagaagg aagccatctc ccctccagat gcggcctcag ctgctccact ccgaacaatc 480 actgctgaca ctttccgcaa actcttccga gtctactcca atttcctccg gggaaagctg 540

579

<210> 4 <211> 193 <212> PRT <213> Homo sapiens

aagctgtaca caggggaggc ctgcaggaca ggggacaga

<400> 4

Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu 1 5 10 15

Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu 20 25 30

Ile Cys Asp Ser Arg Val Leu Gln Arg Tyr Leu Leu Glu Ala Lys Glu
35 40 45

Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu 50 55 60

Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg 65 70 75 80

Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu

85	90	^-
0.0	90	95

Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser 100 105 110

Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
115 120 125

Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu 130 135 140

Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile 145 150 155 160

Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu 165 170 175

Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp 180 185 190

Arg

<210> 5

<211> 798

<212> DNA

<213> Homo sapiens

<400> 5

ctgcagacca ccatggtacc gtgcacgctg ctcctgctgt tggcggccgc cctggctccg 60 actcagaccc gcgccggctc tagacccggg gaattcgccg gcgccgctgc ggtcgacaaa 120 actcacacat gcccaccgtg cccagcacct gaactcctgg ggggaccgtc agtcttcctc 180 ttcccccaa aacccaagga caccctcatg atctcccgga cccctgaggt cacatgcqtq 240 gtggtggacg tgagccacga agaccctgag gtcaagttca actggtacgt ggacggcqtq 300 gaggtgcata atgccaagac aaagccgcgg gaggagcagt acaacagcac gtaccgtgtg 360 gtcagcgtcc tcaccgtcct gcaccaggac tggctgaatg gcaaggagta caagtgcaag 420 gtctccaaca aagccctccc agcccccatc gagaaaacca tctccaaagc caaagggcag 480 ccccgagaac cacaggtgta caccctgccc ccatcccggg atgagctgac caagaaccag 540 gtcagcctga cctgcctggt caaaggcttc tatcccagcg acatcgccgt ggagtgggag 600 agcaatgggc agccggagaa caactacaag accacgcctc ccgtgttgga ctccqacqqc 660

tccttcttcc	tctacagcaa	gctcaccgtg	gacaagagca	ggtggcagca	ggggaacgtc	720
ttctcatgct	ccgtgatgca	tgaggctctg	cacaaccact	acacgcagaa	gagcctctcc	780
ctgtctccgg	gtaaatga					798

- <210> 6
- <211> 261
- <212> PRT
- <213> Homo sapiens
- <400> 6
- Met Val Pro Cys Thr Leu Leu Leu Leu Leu Ala Ala Leu Ala Pro 1 5 10 15
- Thr Gln Thr Arg Ala Gly Ser Arg Pro Gly Glu Phe Ala Gly Ala Ala 20 25 30
- Ala Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu 35 40 45
- Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr 50 55 60
- Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val 65 70 75 80
- Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val 85 90 95
- Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser 100 105 110
- Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu 115 120 125
- Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala 130 135 140
- Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro 145 150 155 160
- Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln 165 170 175
- Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala

180 185 190

Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr 195 200 205

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu 210 215 220

Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser 225 230 235 240

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser 245 250 255

Leu Ser Pro Gly Lys 260

<210> 7

<211> 1290

<212> DNA

<213> Homo sapiens

<400> 7

ctgcagacca ccatggtacc gtgcacgctg ctcctgctgt tggcggccqc cctqqctccq 60 actcagaccc gcgccggctc tagagcccca ccacgcctca tctqtqacaq ccqaqtcctq 120 cagaggtacc tcttggaggc caaggaggcc gagaatatca cgacgggctg tgctgaacac 180 tgcagcttga atgagaatat cactgtccca gacaccaaag ttaatttcta tgcctggaag 240 aggatggagg tegggeagea ggeegtagaa gtetggeagg geetggeeet getgteggaa 300 gctgtcctgc ggggccaggc cctgttggtc aactcttccc agccgtggga gcccctgcag 360 ctgcatgtgg ataaagccgt cagtggcctt cgcagcctca ccactctgct tcgggctctg 420 ggagcccaga aggaagccat ctcccctcca gatgcggcct cagctgctcc actccgaaca 480 atcactgctg acactttccg caaactcttc cgagtctact ccaatttcct ccggggaaag 540 ctgaagctgt acacagggga ggcctgcagg acaggggaca gagaattcgc cggcgccgct 600 geggtegaca aaacteacac atgeecaceg tgeecageac etgaacteet ggggggaceg 660 teagtettee tetteecece aaaacccaag gacaccetea tgateteeeg gacccetgag 720 gtcacatgcg tggtggtgga cgtgagccac gaagaccctg aggtcaagtt caactggtac 780 gtggacggcg tggaggtgca taatgccaag acaaagccgc gggaggagca gtacaacagc 840 acgtaccgtg tggtcagcgt cctcaccgtc ctgcaccagg actggctgaa tggcaaggag 900

tacaagtgca	aggtctccaa	caaagccctc	ccagccccca	tcgagaaaac	catctccaaa	960
gccaaagggc	agccccgaga	accacaggtg	tacaccctgc	ccccatcccg	ggatgagctg	1020
accaagaacc	aggtcagcct	gacctgcctg	gtcaaaggct	tctatcccag	cgacatcgcc	1080
gtggagtggg	agagcaatgg	gcagccggag	aacaactaca	agaccacgcc	tcccgtgttg	1140
gactccgacg	gctccttctt	cctctacagc	aagctcaccg	tggacaagag	caggtggcag	1200
caggggaacg	tcttctcatg	ctccgtgatg	catgaggctc	tgcacaacca	ctacacgcag	1260
aagagcctct	ccctgtctcc	gggtaaatga				1290

<210> 8

<211> 425

<212> PRT

<213> Homo sapiens

<400> 8

Met Val Pro Cys Thr Leu Leu Leu Leu Leu Ala Ala Leu Ala Pro 1 5 10 15

Thr Gln Thr Arg Ala Gly Ser Arg Ala Pro Pro Arg Leu Ile Cys Asp 20 25 30

Ser Arg Val Leu Gln Arg Tyr Leu Leu Glu Ala Lys Glu Ala Glu Asn 35 40 45

Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu Asn Ile Thr 50 55 60

Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg Met Glu Val 65 70 75 80

Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu Leu Ser Glu 85 90 95

Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser Gln Pro Trp
100 105 110

Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly Leu Arg Ser 115 120 125

Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu Ala Ile Ser 130 135 140

Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile Thr Ala Asp

Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu Arg Gly Lys
165 170 175

Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp Arg Glu Phe
180 185 190

Ala Gly Ala Ala Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro 195 200 205

Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys 210 215 220

Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val 225 230 235 240

Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr 245 250 255

Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu 260 265 270

Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His 275 280 285

Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys 290 295 300

Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln 305 310 315 320

Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu 325 330 335

Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro 340 345 350

Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn 355 360 365

Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu 370 375 380

Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val 385 390 395 400

Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
405 410 415

Lys Ser Leu Ser Leu Ser Pro Gly Lys 420 425

<210> 9

<211> 1299

<212> DNA

<213> Homo sapiens

<400> 9

ctgcaggcgg agatgggggt gcacgaatgt cctgcctggc tgtggcttct cctgtccctg 60 etgtegetee etetgggeet eeeagteetg ggegeeeeae caegeeteat etgtgaeage 120 cgagtcctgg agaggtacct cttggaggcc aaggaggccg agaatatcac gacgggctgt 180 gctgaacact gcagcttgaa tgagaatatc actgtcccag acaccaaagt taatttctat 240 gcctggaaga ggatggaggt cgggcagcag gccgtagaag tctggcaggg cctggccctg 300 ctgtcggaag ctgtcctgcg gggccaggcc ctgttggtca actcttccca gccqtqqgaq 360 cccctgcagc tgcatgtgga taaagccgtc agtggccttc gcaqcctcac cactctqctt 420 cgggctctgg gagcccagaa ggaaqccatc teceetccaq atqeqqeetc aqetqeteca 480 ctccgaacaa tcactgctga cactttccgc aaactcttcc gagtctactc caatttcctc 540 cggggaaagc tgaagctgta cacaggggag gcctgcagga caggggacag agaattcgcc 600 ggcgccgctg cggtcgacaa aactcacaca tgcccaccgt gcccaqcacc tgaactcctq 660 gggggaccgt cagtetteet ettececcca aaacccaagg acacceteat gateteecgg 720 acccctgagg tcacatgcgt ggtggtggac gtgagccacg aagaccctga ggtcaagttc 780 aactggtacg tggacggcgt ggaggtgcat aatgccaaga caaaqccgcg ggaqqagcaq 840 tacaacagca cgtaccgtgt ggtcagcgtc ctcaccgtcc tgcaccagga ctggctgaat 900 ggcaaggagt acaagtgcaa ggtctccaac aaagccctcc cagcccccat cgagaaaacc 960 atetecaaag ccaaagggca geecegagaa ccacaggtgt acaccetgee eccatecegg 1020 gatgagctga ccaagaacca ggtcagcctg acctgcctgg tcaaaggctt ctatcccagc 1080 gacatcgccg tggagtggga gagcaatggg cagccggaga acaactacaa gaccacgcct 1140 cccgtgttgg actccgacgg ctccttcttc ctctacagca agctcaccgt ggacaagagc 1200 aggtggcagc aggggaacgt cttctcatgc tccgtgatgc atgaggctct gcacaaccac 1260

<210> 10

<211> 428

<212> PRT

<213> Homo sapiens

<400> 10

Met Gly Val His Glu Cys Pro Ala Trp Leu Trp Leu Leu Leu Ser Leu 1 5 10 15

Leu Ser Leu Pro Leu Gly Leu Pro Val Leu Gly Ala Pro Pro Arg Leu 20 25 30

Ile Cys Asp Ser Arg Val Leu Glu Arg Tyr Leu Leu Glu Ala Lys Glu 35 40 45

Ala Glu Asn Ile Thr Thr Gly Cys Ala Glu His Cys Ser Leu Asn Glu 50 55 60

Asn Ile Thr Val Pro Asp Thr Lys Val Asn Phe Tyr Ala Trp Lys Arg 65 70 75 80

Met Glu Val Gly Gln Gln Ala Val Glu Val Trp Gln Gly Leu Ala Leu 85 90 95

Leu Ser Glu Ala Val Leu Arg Gly Gln Ala Leu Leu Val Asn Ser Ser 100 105 110

Gln Pro Trp Glu Pro Leu Gln Leu His Val Asp Lys Ala Val Ser Gly
115 120 125

Leu Arg Ser Leu Thr Thr Leu Leu Arg Ala Leu Gly Ala Gln Lys Glu 130 135 140

Ala Ile Ser Pro Pro Asp Ala Ala Ser Ala Ala Pro Leu Arg Thr Ile 145 150 155 160

Thr Ala Asp Thr Phe Arg Lys Leu Phe Arg Val Tyr Ser Asn Phe Leu 165 170 175

Arg Gly Lys Leu Lys Leu Tyr Thr Gly Glu Ala Cys Arg Thr Gly Asp 180 185 190

Arg Glu Phe Ala Gly Ala Ala Val Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys 

```
<210> 11
<211> 11
<212> PRT
<213> Homo sapiens
<400> 11
Pro Lys Asn Ser Ser Met Ile Ser Asn Thr Pro
<210> 12
<211> 7
<212> PRT
<213> Homo sapiens
<400> 12
His Gln Ser Leu Gly Thr Gln
<210> 13
<211> 8
<212> PRT
<213> Homo sapiens
<400> 13
His Gln Asn Leu Ser Asp Gly Lys
<210> 14
<211> 8
<212> PRT
<213> Homo sapiens
<400> 14
His Gln Asn Ile Ser Asp Gly Lys
<210> 15
<211> 8
<212> PRT
<213> Homo sapiens
<400> 15
Val Ile Ser Ser His Leu Gly Gln
1 5
<210> 16
<211> 11
<212> PRT
```

```
<213> Homo sapiens
<400> 16
Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
<210> 17
<211> 16
<212> PRT
<213> Homo sapiens
<400> 17
Gly Gly Ser Gly Gly Gly Gly Gly Gly Gly Gly Gly Ser
<210> 18
<211> 31
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 18
aaaactgcag accaccatgg taccgtgcac g
                                                                      31
<210> 19
<211> 29
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 19
cgtctagagc cggcgcgggt ctgagtcgg
                                                                      29
<210> 20
<211> 36
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 20
aagaattcgc cggcgccgct gcggtcgaca aaactc
                                                                      36
<210> 21
<211> 28
<212> DNA
```

<213> Artificial sequence

<220> <223>	Synthetic oligonucleotide	
<400>	21 Egtc atttacccgg agacaggg	28
cccaac	agee weeelgg agacaggg	20
<210> <211>	22 32	
<212>		
<213>	Artificial sequence	
<220> <223>	Synthetic oligonucleotide	
(223)	Synthetic Oligonacieotiae	
<400>	22	2.2
aatctag	gage eccaceaege etcatetgtg ac	32
<210>	23	
<211><212>	30 DNA	
	Artificial sequence	
<220>		
<223>	Synthetic oligonucleotide	
<400>	23	
ttgaatt	cete tgteeeetgt eetgeaggee	30
<210>	24	
<211>	27	
<212>		
<213>	Artificial sequence	
<220>		
<223>	Synthetic oligonucleotide	
<400>	24	
	gcag gcggagatgg gggtgca	27
<b>J</b>	,-ng-5-55.555-55.5	
-210-	25	
<210> <211>	22	
<212>	DNA	
	Artificial sequence	
<220> <223>	Complete alignosal actida	
<223>	Synthetic oligonucleotide	
<400>	25	
cctggt	cate tgteceetgt ee	22
<210>	26	
<211>	13	
<212>	PRT	

```
<213> Artificial sequence
<220>
<223> Synthetic oligopeptide
<400> 26
Gly Ser Arg Pro Gly Glu Phe Ala Gly Ala Ala Val
<210> 27
<211> 8
<212> PRT
<213> Artificial sequence
<220>
<223> Synthetic oligopeptide
<400> 27
Glu Phe Ala Gly Ala Ala Val
<210> 28
<211> 10
<212> PRT
<213> Artificial sequence
<220>
<223> Synthetic oligopeptide
<400> 28
Gly Gly Gly Ser Gly Gly Gly Ser
<210> 29
<211> 15
<212> PRT
<213> Artificial sequence
<223> Synthetic oligopeptide
<400> 29
Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
                                  10
<210> 30
<211> 20
<212> PRT
<213> Artificial sequence
```

<220>

```
<223> Synthetic oligopeptide
<400> 30
Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly
Gly Gly Gly Ser
<210> 31
<211> 37
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 31
gctactgcag ccaccatggc cttgaccttt gctttac
                                                                     37
<210> 32
<211> 35
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 32
cgttgaattc ttccttactt cttaaacttt cttgc
                                                                     35
<210> 33
<211> 74
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
<400> 33
cagttccgga gctgggcacg gcgggcacgt gtgagttttg tcttccttac ttcttaaact
                                                                     60
ttcttgcaag tttg
                                                                     74
<210> 34
<211> 45
<212> DNA
<213> Artificial sequence
<220>
<223> Synthetic oligonucleotide
```

<400> 34

gtcagg	gatcc ggcggtggag ggagcgacaa aactcacacg tgccc	45
<210><211><211><212><213>	32	
<220>		
<223>		
<400>		
tgacgc	reggee geteatttae eeggagaeag gg	32
<210><211><212><212><213>	32	
<220> <223>		
<400> ccgctag	36 agcct gcaggccacc atggccttga cc	32
<210>	37	
<212>		
<213>	Artificial sequence	
<220>		
<223>		
<400>	37	
	tccgc cgccaccttc cttactacgt aaac	34
<210>	38	
<211>		
<212>	DNA Artificial sequence	
(213)	Altilitat sequence	
<220>		
<223>	Synthetic oligonucleotide	
<400>	38	
gtcagga	gatec ggtggaggeg ggteeggegg tggagggage gacaaaact	c acacgtgccc 60
<210>	39	
<211>		
<212>		
<213>	Artificial sequence	
<220>		
<223>	Synthetic oligonucleotide	

<400>	39				
gtcagga	atcc ggcggaggag gctca	ggtgg aggcgggtcc	ggcggtggag	ggagcgacaa	60
aactca	cacg tgccc				75
<210>	40				
<211>	20				
<212>	DNA				
<213>	Artificial sequence				
<220>					
<223>	Synthetic oligonucle	otide			
<400>	40				
atagaag	geet ttgaecagge				20